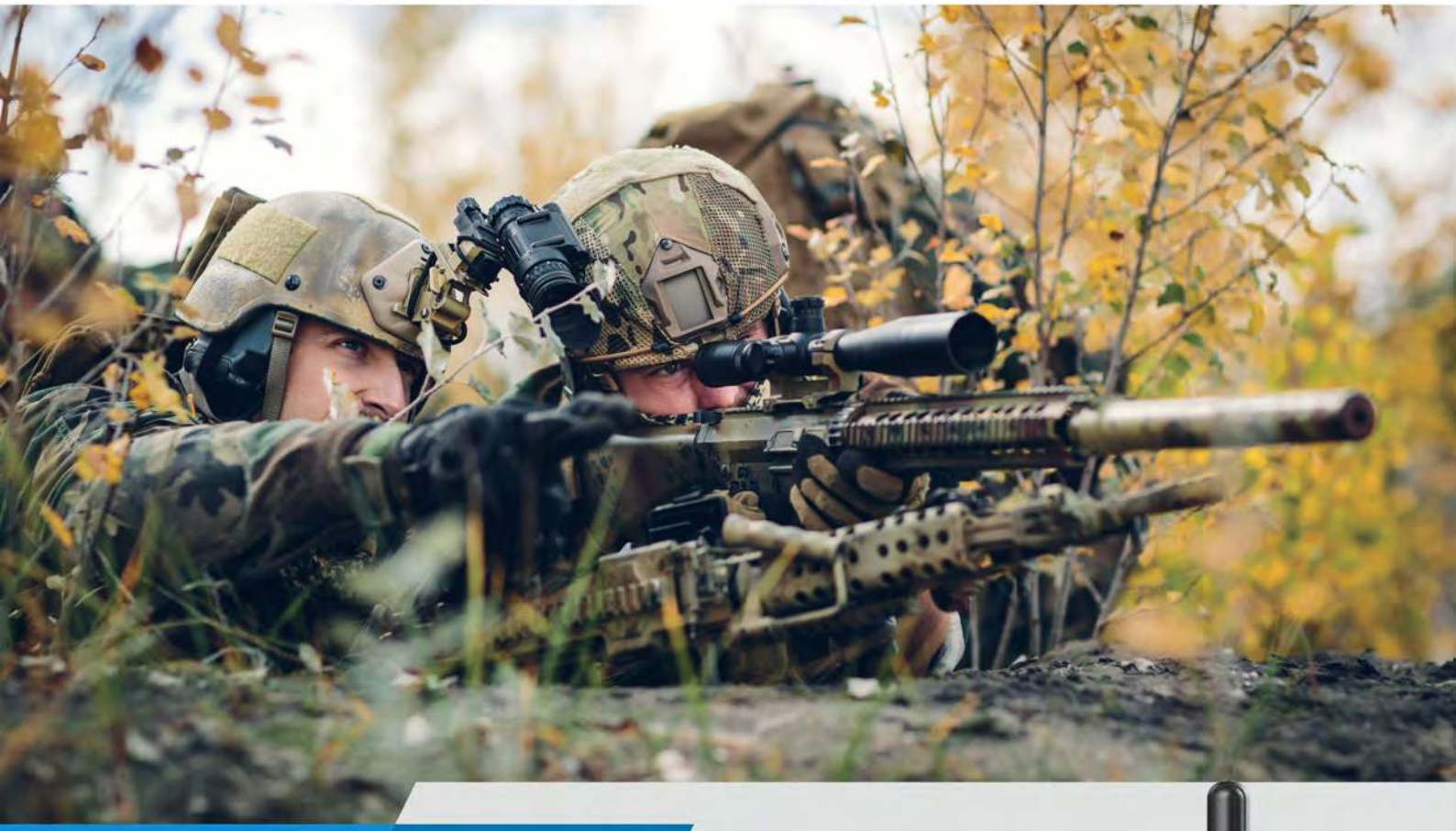
teltronic



HTT-900

Personal Role Radio

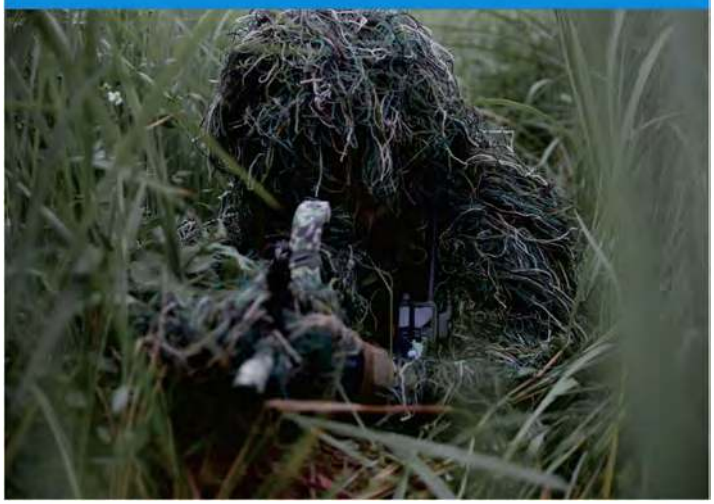
- Advanced SDR architecture
- Full-duplex conference
- Flexible ad-hoc networking
- VOX
- Real-time situation awareness

Advanced Functions

Multiple Call Modes

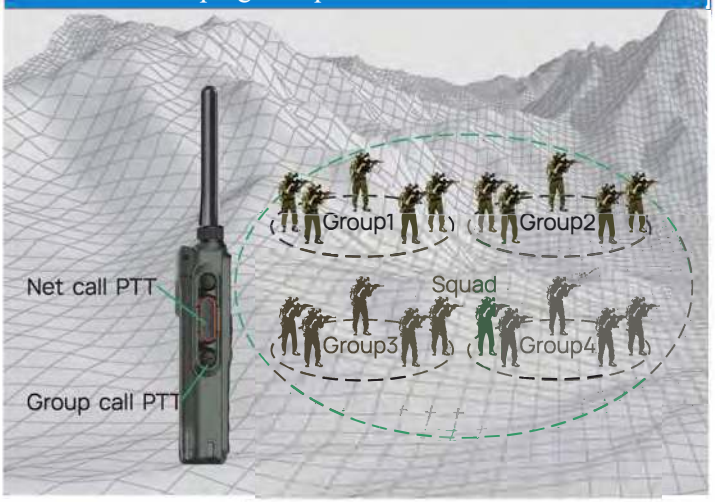
- Half-duplex intercom: Point to multipoint for voice.
- Full-duplex conference: Point to multipoint, support 6 people in the network to talk at the same time
- Ad-hoc networking conference: 3 hops voice, 3 hops data, intra-network grouping, through double PTT can choose the whole network or intra-group communication.

Hand-free Communication



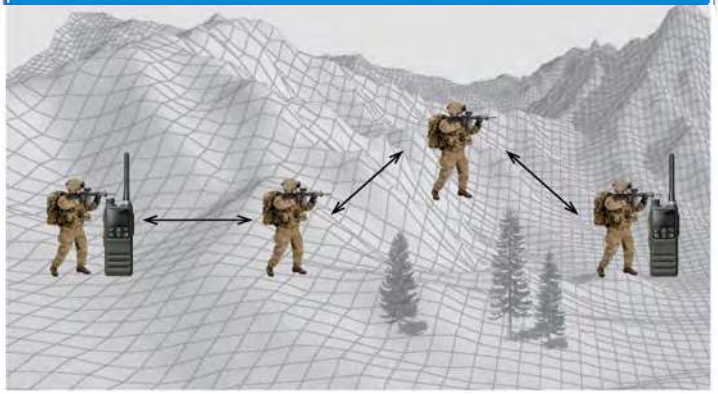
The HTT-900 personal role radio supports VOX. with VOX, soldiers don't need to press PTT to talk, which greatly improves communicat1on efficiency and release soldier's hand from pushing PTT button.

Flexible Grouping in Squad Team Network



In ad-hoc networking conference mode, the squad team can be flexibly grouped into 4 groups with sharing the same frequency for better mission coordination.

Reliable Connection for Data and Voice



The HTT-900 personal role radio supports ad-hoc networking with fast self-forming, self-healing and dynamic topology, which frees the communication from terrain limitation, such as urban area, underground tunnel or mountainous forest. The communication distance in squad team can be extended 2-3 times by 3 hops voice relaying.

Situation Awareness

The situation awareness application can be flexibly deployed on a ruggedized smart device which can be connected with HTT-900 personal role radio via WiFi and work with a smart device for efficient mission coordination. It supplies services such as battlefield information and intelligence sharing, team member position reporting with build-in GPS module and vital signs information monitoring via smart watch.

Highlights

High Security

- Data Encryption
  AES-256 software encryption and customized encryption.
- Key Filling
  The parameters can the injected to the HTT-900 personal radio through the parameter injection software running on computer.
- Key Erasing
  Support manual key erasing to ensure the security of communication parameters configuration in emergency situation. Those with a high authority level can remotely destroy the keys of a low-level authority through the situation awareness application.

Compact and Rugged Design

- Waterproof
  2m water immersion for 1 hour, suitable for harsh battlefield environment
- Ruggedized
  Ruggedized design, complied with MIL-STD-810G.
- Lightweight
  Small and light, less than 350g with battery, easy to carry
- Battery
  18 hours battery life, suitable for long-term combat in the field.
- Compact
  Simple buttons design, easy to operation

Specifications

Frequency Range	350-450MHz	Weight	⩽350g(with battery)
Bandwidth	45kHz, 75kHz	Dimension(WxHxD)	⩽60x240x38mm (with antenna)
Output Power	⩽3W	Storage Temperature	-45°C to + 65°C
Sensitivity	-118dBm@BW=45kHz; -110dBm@BW=75kHz	Operating Temperature	-30˚C to +55˚C
Data Interfaces	TTL serial port, WLAN and Bluetooth	Immersion	2m, 1h
Data Rate	⩽60kbps	Environment Test Standard	MIL-STD-810G
Modulation Modes	2GFSK	Electromagnetic Compatibility Standard	MIL-STD-461F
COMSEC	AES 256		

Standard Accessories

Antenna

battery

Charger

Adapter

Optional Accessories

ruggedized headset

wireless PTT

carrying case

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